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Fig. 1A

AAAAAATACCTAGTAAAACTTAAGTCAATCAATCCACCTTGTGTGCCTTTTTTTGGAATATATTTAACAA
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ACTCCTCCTAGCACACCCTCTCCAAGGGTACCGCGTCGATGCTATGTGCTCAGTTCTAGTCAGAATAATC
TTGCTCATCCTCCAGCTCCCCCTGTTCCACCAAGGCAGAATTCAAGCCCTCATCTGCCAAAACTGCCACC
AAAGACTTACAAACGGGAGCTTTCGCACCCCCCATTGTACAGACTGCCTTTGCTAGAAAATGCAGAAACT
CCCCAATGA

Fig. 1B

```
Met Gln Gln Ala Pro Gln Pro Tyr Glu Phe Phe Ser Glu Glu Asn Ser
 1               5                  10                  15
Pro Lys Trp Arg Gly Leu Leu Val Ser Ala Leu Arg Lys Val Gln Val
            20                  25                  30
Gln Val His Pro Thr Leu Ser Ala Asn Glu Glu Ser Leu Tyr Tyr Ile
        35                  40                  45
Glu Glu Leu Ile Phe Gln Leu Leu Asn Lys Leu Cys Met Ala Gln Pro
    50                  55                  60
Arg Thr Val Gln Asp Val Glu Glu Arg Val Gln Lys Thr Phe Pro His
65                  70                  75                  80
Pro Ile Asp Lys Trp Ala Ile Ala Asp Ala Gln Ser Ala Ile Glu Lys
                85                  90                  95
Arg Lys Arg Arg Asn Pro Leu Leu Leu Pro Val Asp Lys Ile His Pro
            100                 105                 110
Ser Leu Lys Glu Val Leu Gly Tyr Lys Val Asp Tyr His Val Ser Leu
        115                 120                 125
Tyr Ile Val Ala Val Leu Glu Tyr Ile Ser Ala Asp Ile Leu Lys Leu
    130                 135                 140
Ala Gly Asn Tyr Val Phe Asn Ile Arg His Tyr Glu Ile Ser Gln Gln
145                 150                 155                 160
Asp Ile Lys Val Ser Met Cys Ala Asp Lys Val Leu Met Asp Met Phe
                165                 170                 175
Asp Gln Asp Asp Ile Gly Leu Val Ser Leu Cys Glu Asp Glu Pro Cys
            180                 185                 190
Ser Ser Gly Glu Leu Asn Tyr Tyr Asp Leu Val Arg Thr Glu Ile Ala
        195                 200                 205
Glu Glu Arg Gln Tyr Leu Arg Glu Leu Asn Met Ile Ile Lys Val Phe
    210                 215                 220
Arg Glu Ala Phe Leu Ser Asp Arg Lys Leu Phe Lys Pro Ser Val Tyr
225                 230                 235                 240
Glu Lys Ile Phe Ser Asn Ile Ser Asp Ile His Glu Leu Thr Val Lys
                245                 250                 255
Leu Leu Gly Leu Ile Glu Asp Thr Val Glu Met Thr Asp Glu Ser Ser
            260                 265                 270
Pro His Pro Leu Ala Gly Ser Cys Phe Glu Asp Leu Ala Glu Glu Gln
        275                 280                 285
Ala Phe Asp Pro Tyr Glu Thr Leu Ser Gln Asp Ile Leu Ser Pro Glu
    290                 295                 300
```

Fig. 2A

Phe His Glu His Phe Asn Lys Leu Met Ala Arg Pro Ala Val Ala Leu
305 310 315 320
His Phe Gln Ser Ile Ala Asp Gly Phe Lys Glu Ala Val Arg Tyr Val
325 330 335
Leu Pro Arg Leu Met Leu Val Pro Val Tyr His Cys Trp His Tyr Phe
340 345 350
Glu Leu Leu Lys Gln Leu Lys Ala Cys Ser Glu Glu Gln Glu Asp Arg
355 360 365
Glu Cys Leu Asn Gln Ala Ile Thr Ala Leu Met Asn His Gln Gly Ser
370 375 380
Met Asp Arg Ile Tyr Lys Gln Tyr Ser Pro Arg Arg Arg Pro Gly Asp
385 390 395 400
Pro Val Cys Pro Phe Tyr Ser His Gln Leu Arg Ser Lys His Leu Ala
405 410 415
Ile Lys Lys Met Asn Glu Ile Gln Lys Asn Ile Asp Gly Trp Glu Gly
420 425 430
Lys Asp Ile Gly Gln Cys Cys Asn Glu Phe Ile Met Glu Gly Pro Leu
435 440 445
Thr Arg Ile Gly Ala Lys His Glu Arg His Ile Phe Leu Phe Asp Gly
450 455 460
Leu Met Ile Ser Cys Lys Pro Asn His Gly Gln Thr Arg Leu Pro Gly
465 470 475 480
Tyr Thr Ser Ala Glu Tyr Arg Leu Lys Glu Lys Phe Val Met Arg Lys
485 490 495
Ile Gln Ile Cys Asp Lys Glu Asp Thr Cys Glu His Lys His Ala Phe
500 505 510
Glu Leu Val Ser Lys Asp Glu Asn Ser Ile Ile Phe Ala Ala Lys Ser
515 520 525
Ala Glu Glu Lys Asn Asn Trp Met Ala Ala Leu Ile Ser Leu His Tyr
530 535 540
Arg Ser Thr Leu Asp Arg Met Leu Asp Ser Val Leu Leu Lys Glu Glu
545 550 555 560
Asn Glu Gln Pro Leu Arg Leu Pro Ser Pro Glu Val Tyr Arg Phe Val
565 570 575
Val Lys Asp Ser Glu Glu Asn Ile Val Phe Glu Asp Asn Leu Gln Ser
580 585 590
Arg Ser Gly Ile Pro Ile Ile Lys Gly Gly Thr Val Val Lys Leu Ile
595 600 605
Glu Arg Leu Thr Tyr His Met Tyr Ala Asp Pro Asn Phe Val Arg Thr
610 615 620

Fig. 2B

Phe Leu Thr Thr Tyr Arg Ser Phe Cys Lys Pro Gln Glu Leu Leu Ser
625 630 635 640
Leu Leu Ile Glu Arg Phe Glu Ile Pro Glu Pro Glu Pro Thr Asp Ala
645 650 655
Asp Lys Leu Ala Ile Glu Lys Gly Glu Gln Pro Ile Ser Ala Asp Leu
660 665 670
Lys Arg Phe Arg Lys Glu Tyr Val Gln Pro Val Gln Leu Arg Val Leu
675 680 685
Asn Val Phe Arg His Trp Val Asp His His Tyr Tyr Asp Phe Glu Arg
690 695 700
Asp Leu Glu Leu Leu Glu Arg Leu Glu Ser Phe Ile Ser Ser Val Arg
705 710 715 720
Gly Lys Ala Met Lys Lys Trp Val Glu Ser Ile Ala Lys Ile Ile Arg
725 730 735
Arg Lys Lys Gln Ala Gln Ala Asn Gly Val Ser His Asn Ile Thr Phe
740 745 750
Glu Ser Pro Pro Pro Pro Ile Glu Trp His Ile Ser Lys Pro Gly Gln
755 760 765
Phe Glu Thr Phe Asp Leu Met Thr Leu Asp Pro Ile Glu Ile Ala Arg
770 775 780
Gln Leu Thr Leu Leu Glu Ser Asp Leu Tyr Arg Lys Val Gln Pro Ser
785 790 795 800
Glu Leu Val Gly Ser Val Trp Thr Lys Glu Asp Lys Glu Ile Asn Ser
805 810 815
Pro Asn Leu Leu Lys Met Ile Arg His Thr Thr Asn Leu Thr Leu Trp
820 825 830
Phe Glu Lys Cys Ile Val Glu Ala Glu Asn Phe Glu Glu Arg Val Ala
835 840 845
Val Leu Ser Arg Ile Ile Glu Ile Leu Gln Val Phe Gln Asp Leu Asn
850 855 860
Asn Phe Asn Gly Val Leu Glu Ile Val Ser Ala Val Asn Ser Val Ser
865 870 875 880
Val Tyr Arg Leu Asp His Thr Phe Glu Ala Leu Gln Glu Arg Lys Arg
885 890 895
Lys Ile Leu Asp Glu Ala Val Glu Leu Ser Gln Asp His Phe Lys Lys
900 905 910
Tyr Leu Val Lys Leu Lys Ser Ile Asn Pro Pro Cys Val Pro Phe Phe
915 920 925
Gly Ile Tyr Leu Thr Asn Ile Leu Lys Thr Glu Glu Gly Asn Asn Asp
930 935 940

Fig. 2C

APhe Leu Lys Arg Lys Gly Lys Asp Leu Ile Asn Phe Ser Lys Arg Arg
945 950 955 960
Lys Val Ala Glu Ile Thr Gly Glu Ile Gln Gln Tyr Gln Asn Gln Pro
965 970 975
Tyr Cys Leu Arg Ile Glu Pro Asp Met Arg Arg Phe Phe Glu Asn Leu
980 985 990
Asn Pro Met Gly Ser Ala Ser Glu Lys Glu Phe Thr Asp Tyr Leu Phe
995 1000 1005
Asn Lys Ser Leu Glu Ile Glu Pro Arg Asn Cys Lys Gln Pro Pro Arg
1010 1015 1020
Phe Pro Arg Lys Ser Thr Phe Ser Leu Lys Ser Pro Gly Ile Arg Pro
1025 1030 1035 1040
Asn Thr Gly Arg His Gly Ser Thr Ser Gly Thr Leu Arg Gly His Pro
1045 1050 1055
Thr Pro Leu Glu Arg Glu Pro Cys Lys Ile Ser Phe Ser Arg Ile Ala
1060 1065 1070
Glu Thr Glu Leu Glu Ser Thr Val Ser Ala Pro Thr Ser Pro Asn Thr
1075 1080 1085
Pro Ser Thr Pro Pro Val Ser Ala Ser Ser Asp Leu Ser Val Phe Leu
1090 1095 1100
Asp Val Asp Leu Asn Ser Ser Cys Gly Ser Asn Ser Ile Phe Ala Pro
1105 1110 1115 1120
Val Leu Leu Pro His Ser Lys Ser Phe Phe Ser Ser Cys Gly Ser Leu
1125 1130 1135
His Lys Leu Ser Glu Glu Pro Leu Ile Pro Pro Pro Leu Pro Pro Arg
1140 1145 1150
Lys Lys Phe Asp His Asp Ala Ser Asn Ser Lys Gly Asn Met Lys Ser
1155 1160 1165
Asp Asp Asp Pro Pro Ala Ile Pro Pro Arg Gln Pro Pro Pro Pro Lys
1170 1175 1180
Val Lys Pro Arg Val Pro Val Pro Thr Gly Ala Phe Asp Gly Pro Leu
1185 1190 1195 1200
His Ser Pro Pro Pro Pro Pro Pro Arg Asp Pro Leu Pro Asp Thr Pro
1205 1210 1215
Pro Pro Val Pro Leu Arg Pro Pro Glu His Phe Ile Asn Cys Pro Phe
1220 1225 1230
Asn Leu Gln Pro Pro Pro Leu Gly His Leu His Arg Asp Ser Asp Trp
1235 1240 1245
Leu Arg Asp Ile Ser Thr Cys Pro Asn Ser Pro Ser Thr Pro Pro Ser
1250 1255 1260

Fig. 2D

```
Thr Pro Ser Pro Arg Val Pro Arg Arg Cys Tyr Val Leu Ser Ser Ser
1265                1270                1275                1280
Gln Asn Asn Leu Ala His Pro Pro Ala Pro Pro Val Pro Pro Arg Gln
                1285                1290                1295
Asn Ser Ser Pro His Leu Pro Lys Leu Pro Pro Lys Thr Tyr Lys Arg
            1300                1305                1310
Glu Leu Ser His Pro Pro Leu Tyr Arg Leu Pro Leu Leu Glu Asn Ala
        1315                1320                1325
Glu Thr Pro Gln
    1330
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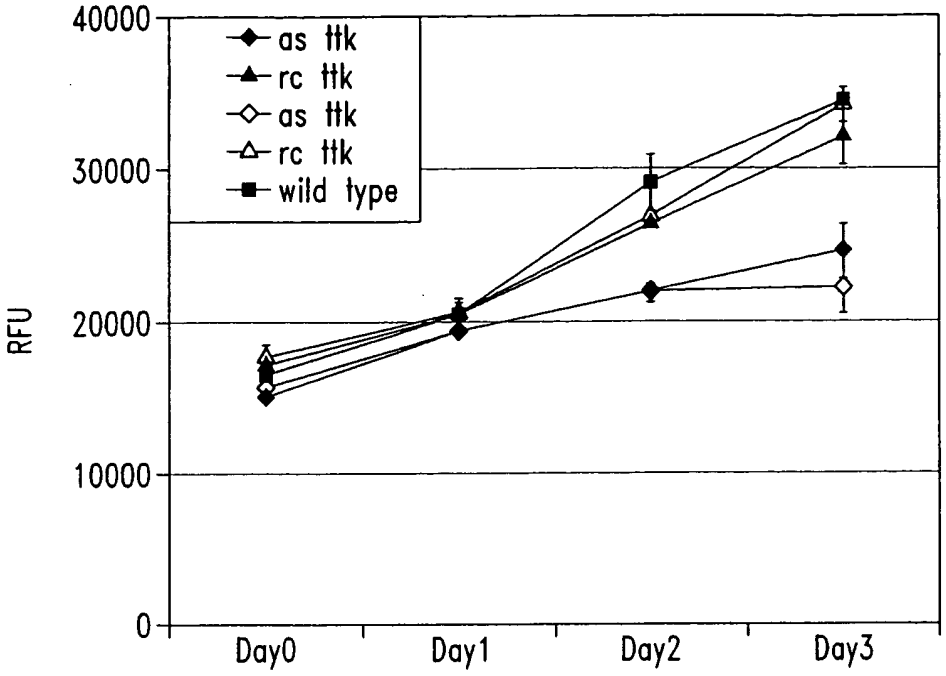
Fig. 2E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30000
20000
10000
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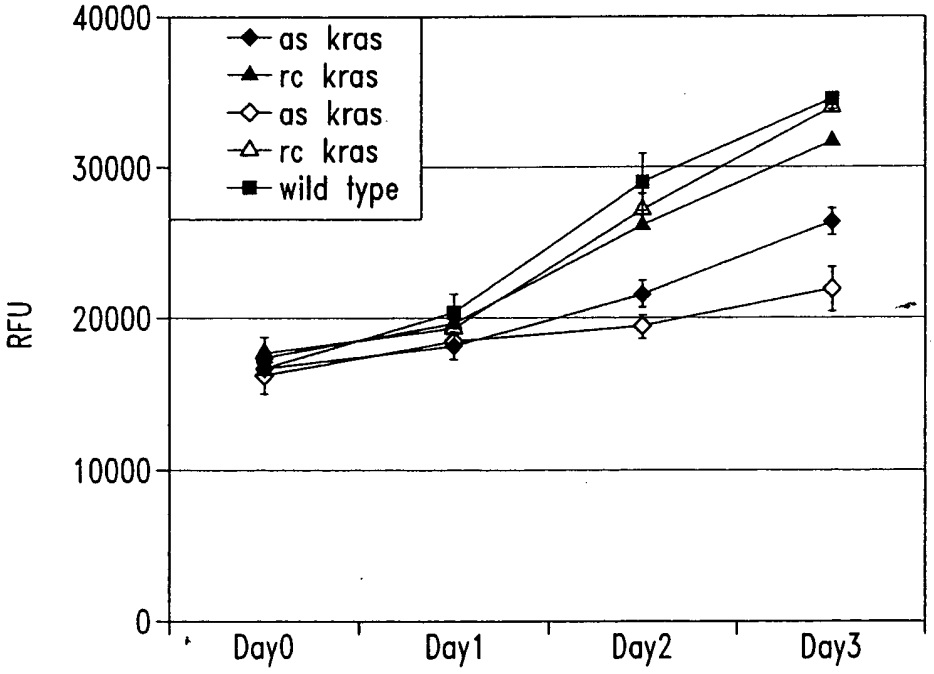
RFU
as ttk
rc ttk
as ttk
rc ttk
wild type
Day0
Day1
Day2
Day3

Fig. 3A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30000
20000
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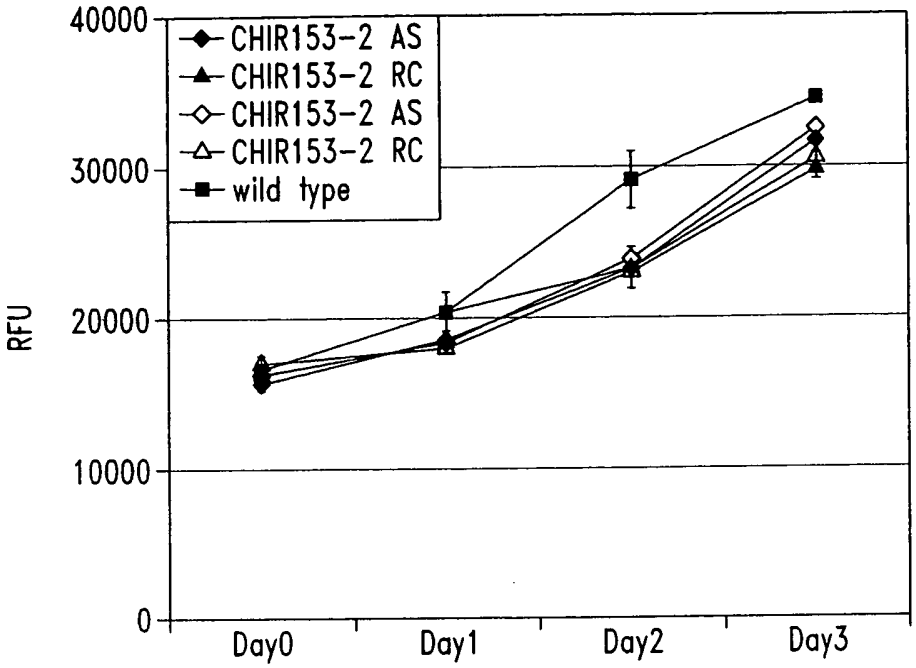
0
RFU
as kras
rc kras
as kras
rc kras
wild type
Day0
Day1
Day2
Day3

Fig. 3B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RFU
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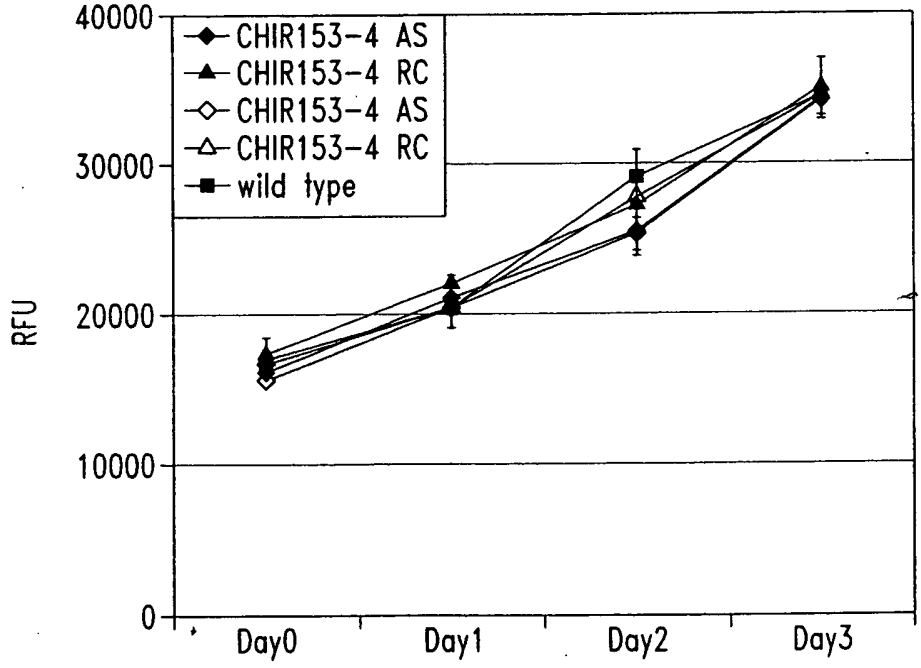
CHIR153-2 RC
CHIR153-2 AS
CHIR153-2 RC
wild type
Day0
Day1
Day2
Day3

Fig. 3C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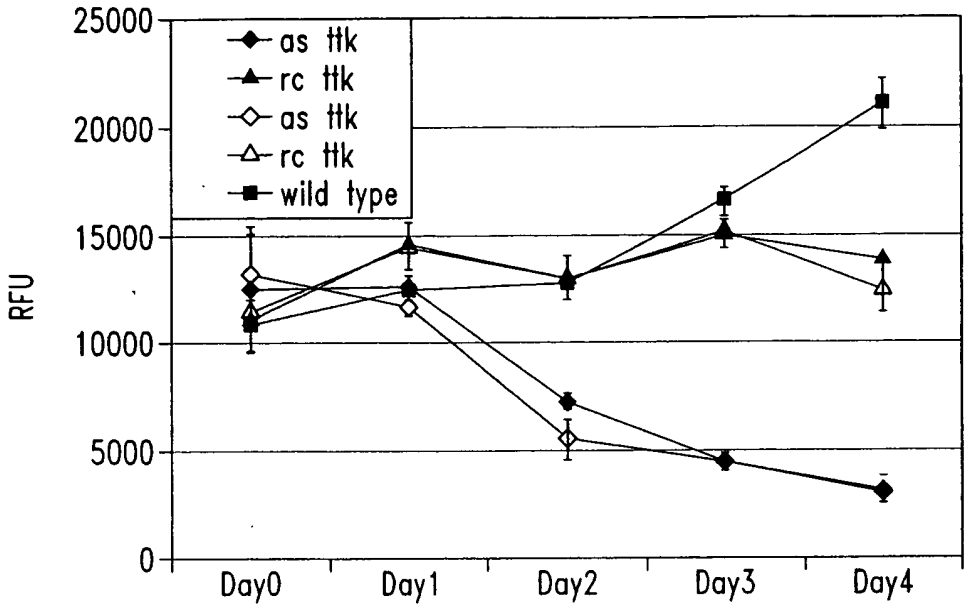
RFU
CHIR153-4 AS
CHIR153-4 RC
CHIR153-4 AS
CHIR153-4 RC
wild type
Day0
Day1
Day2
Day3

Fig. 3D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0
RFU
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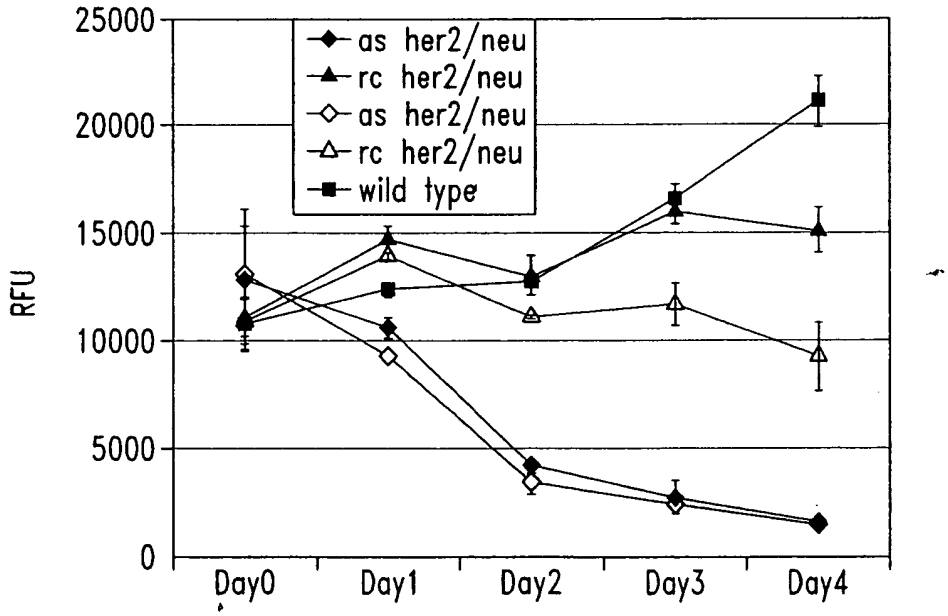
rc ttk
as ttk
rc ttk
wild type
Day0
Day1
Day2
Day3
Day4

Fig. 4A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as her2/neu
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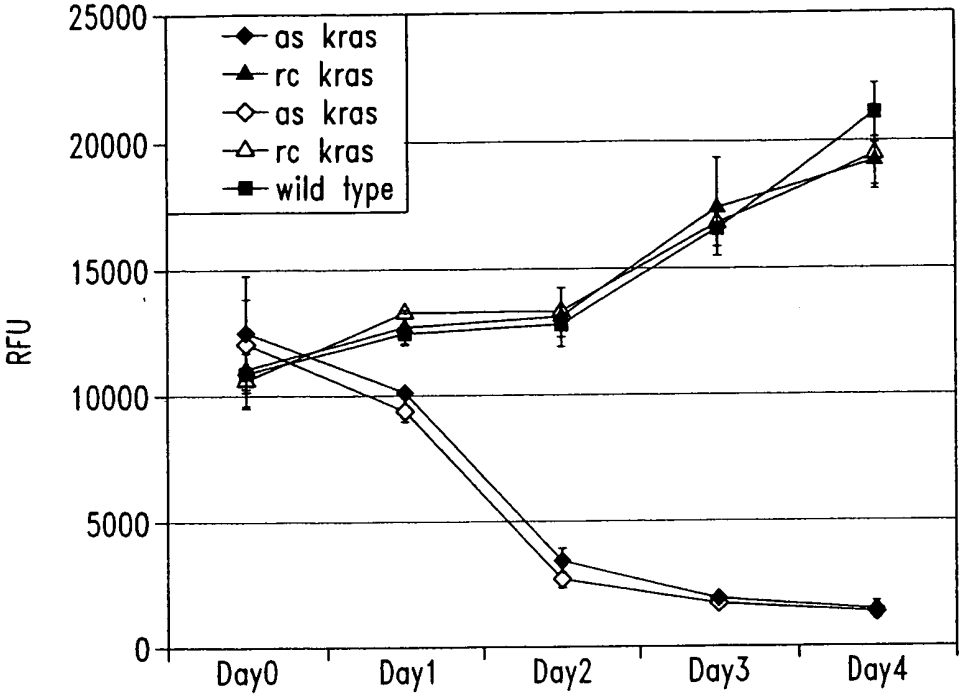
rc her2/neu
wild type
Day0
Day1
Day2
Day3
Day4

Fig. 4B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RFU
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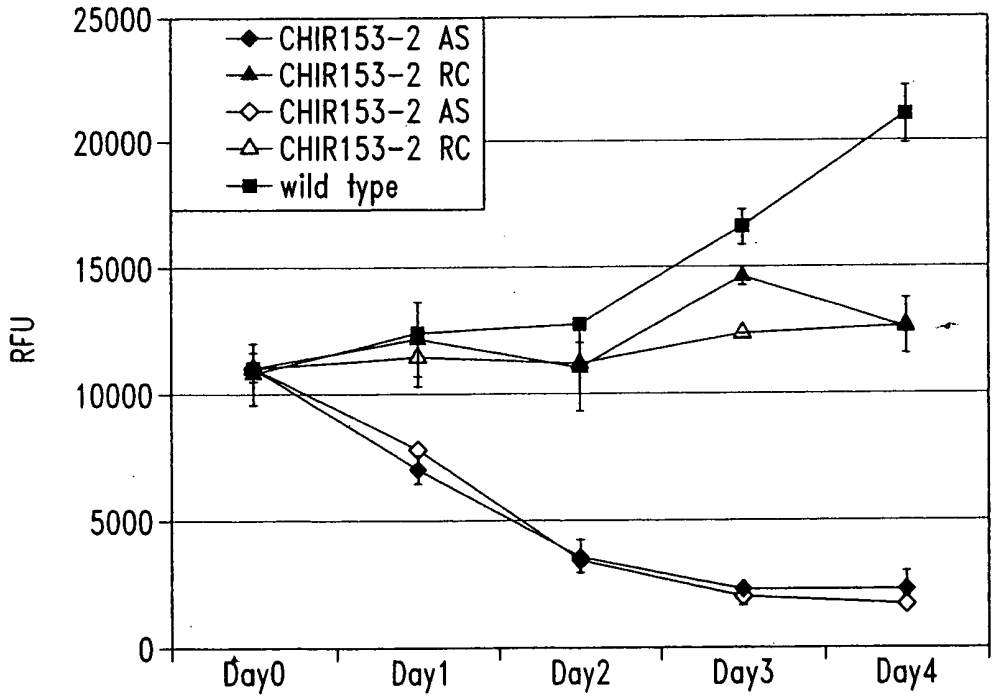
rc kras
wild type
Day0
Day1
Day2
Day3
Day4

Fig. 4C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RFU
CHIR153-2 AS
CHIR153-2 RC
CHIR153-2 AS
CHIR153-2 RC
wild type
Day0
Day1
Day2
Day3
Day4

Fig. 4D